

### **Abstract**

**Use of inhibitors of enzymes having activities of amino peptidase N and/or dipeptidyl peptidase IV and of pharmaceutical preparations thereof for a therapy and prevention of dermatological diseases with sebaceous hyperproliferation and modified conditions of differentiation**

The invention relates to a process for the inhibition of the DNA synthesis necessary for the proliferation of human sebaceous cells (sebocytes) by the isolated or joint effect of inhibitors of alanyl aminopeptidase (APN) and dipeptidyl peptidase IV (DP IV) expressed by these cells. The DNA synthesis (proliferation) of human sebaceous cells is inhibited by the administration of the inhibitors of APN and/or of DP IV depending on the dose. Our invention shows that, for a therapy and for a prevention of dermatological diseases with sebaceous hyperproliferation and modified conditions of differentiation, the application of inhibitors of the above-mentioned enzymes and of corresponding pharmaceutical preparations and dosage forms thereof is suitable.